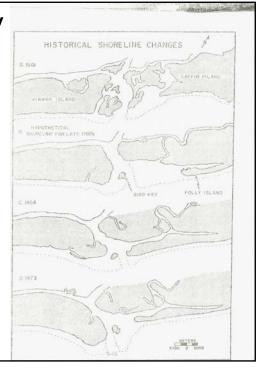
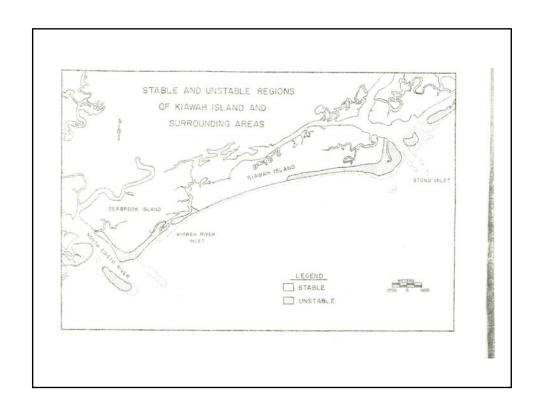
Folly River dredging project and the creation of seabird and shorebird habitat on Bird Key Stono Heritage Preserve Felicia Sanders¹, Alan Shirey², Robin Coller-Socha², Tom Murphy¹, Jimmy Hadden² Jamie Dozier¹, and Mark Spinks¹ 1South Carolina Department of Natural Resources (SCDNR) 2U.S. Army Corps of Engineers (USACE), Charleston District



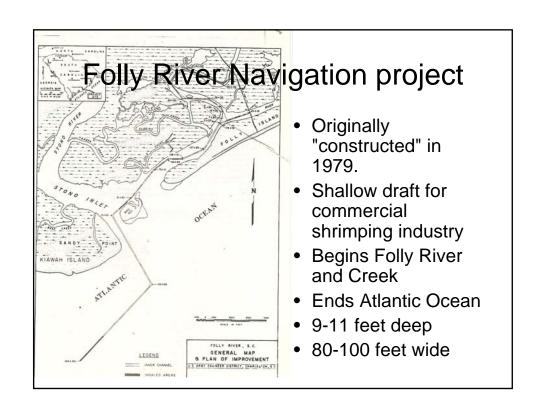
Bird Key

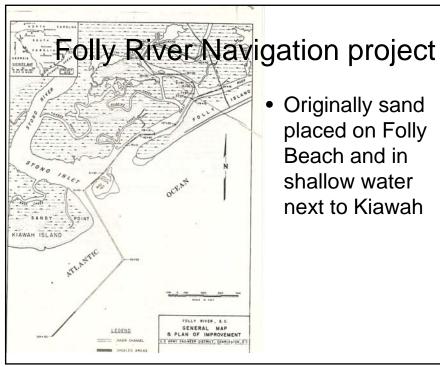
- Historically present
- 20-30 acres











• December 1983 - public meeting to

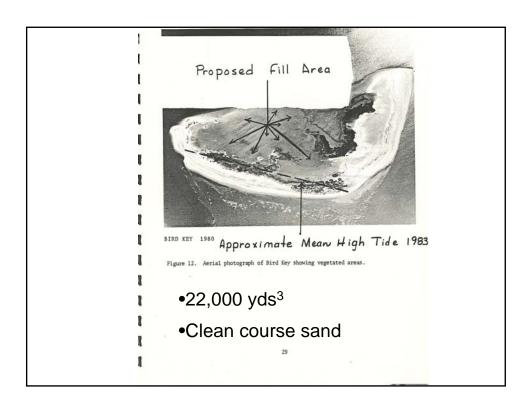
include the alternative disposal site

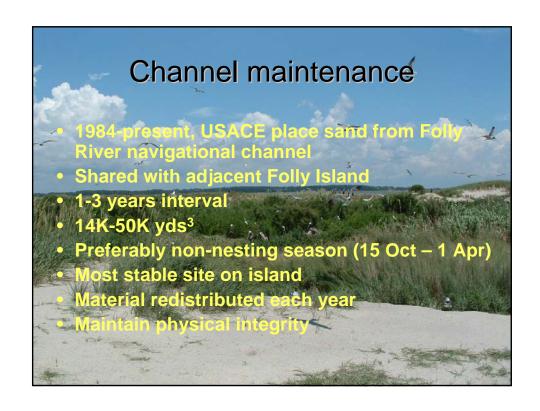
Enlarge Bird Key?

• 1982 - 3251 Brown Pelican nests
• 1983 ¾ nesting area eroded
• Proposed by SCDNR and USACE - place sand on Bird Key

District engineer – will not jeopardize listed species Formal consultation with USFWS, Biological Opinion - no harm NC dredge spoil successfully enhance pelican nesting habitat (Wilmington) SCDNR Heritage Trust Advisory Board members voted 1984 - USACE spoil on landward side of nesting area instead of proposed Folly beach











Erosion • Winter 1993-1994 high rate of erosion • May 1994 ½ nesting habitat gone • January 1995 entire island intertidal • Suitable alternative rookery? • SC nesting declined from 1993-1995 - Royal Tern - 52% - Sandwich Tern - 37% - Gull-billed Tern - 40% - Brown Pelican - 24%





